TRANSLATION PATENT COOPERATION TREATY POT INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference		· · · · · · · · · · · · · · · · · · ·						
P04-97	FOR FURTHER ACTION	See Form PCT/IPEA/416						
International application No.	International filing date (day/month/year)	Priority date (day/month/year)						
PCT/IB2004/003204	01.10.2004	10.10.2003						
International Patent Classification (IPC) or national classification and IPC								
C07K7/06, B01J20/22, C07K17/08, G01N33/00, 33/53, 33/543								
Applicant TOWA KAGAKU CO., LTD.								
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 								
2. This REPORT consists of a total of	4 sheets, inclu	oding this cover sheet.						
3. This report is also accompanied by A	NNEXES, comprising:							
a. (sent to the applicant and	to the International Bureau) a total of	sheets, as follows:						
sheets of the descrip sheets containing re- Instructions).	tion, claims and/or drawings which have be clifications authorized by this Authority (see	en amended and are the basis for this report and/or Rule 70.16 and Section 607 of the Administrative						
sheets which supers the disclosure in the Box.	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental							
b. (sent to the International)	Bureau only) a total of (indicate type and nur	mber of electronic carrier(s))						
1 disk								
related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).								
4. This report contains indications relation	ng to the following items:							
Box No. I Basis of the	report							
Box No. П Priority								
Box No. III Non-establis	hment of opinion with regard to novelty, inv	ventive step and industrial applicability						
Box No. IV Lack of unit	of invention							
Box No. V Reasoned strength	ovelty, inventive step or industrial applicability:							
Box No. VI Certain docs	ements cited	•						
Box No. VII Certain defe	cts in the international application							
Box No. VIII Certain observations on the international application								
Date of submission of the demand	Date of completion of	f this report						
Name and mailing address of the IPEA/JP	Authorized officer	Authorized officer						
2	, is a second of the second of							
acsimile No.	Telephone No.							

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/IB2004/003204

Во	x No. J	[Basis of the report					
1.	Witl indi	h regard cated un	to the language, this report is based on the international application in the language in which it was filed, unless otherwise der this item.					
		port is based on translations from the original language into the following language, is the language of a translation furnished for the purposes of: International search (Rule 12.3 and 23.1(b)) Sublication of the international application (Rule 12.4) International preliminary examination (Rule 55.2 and/or 55.3)						
2.	rece	iving Of report):	egard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the ing Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to port): he international application as originally filed/furnished					
	Ш	the des	cription:					
		pages	as originally filed/furnished					
		pages*	received by this Authority on					
		pages*	received by this Authority on					
		the clai	ms:					
		nos.	as originally filed/furnished					
		nos.*	as amended (together with any statement) under Article 19					
		nos.*	received by this Authority on					
		nos.*	received by this Authority on					
		the drav						
		sheets						
		sheets*	as originally filed/furnished received by this Authority on					
		sheets*						
	\square		received by this Authority on					
			nce listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.					
3.	Ш	The am	endments have resulted in the cancellation of:					
		╚	ne description, pages					
		╚	e claims, nos.					
		<u> </u>	ne drawings, sheets/figs					
		ս	ic sequence listing (specify):					
		aı	ny table(s) related to sequence listing (specify):					
4.		This rep	port has been established as if (some of) the amendments annexed to this report and listed below had not been made, since we been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).					
		l th	e description, pages					
		\Box	e claims, nos.					
		lh	e drawings, sheets/figs					
			c sequence listing (specify):					
	ĺ		ny table(s) related to sequence listing (specify):					
•	lf iten		es, some or all of those sheets may be marked "superseded."					

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/IB2004/003204

Box	No. V	Reasoned stateme citations and expl	nt under Ar anations su	rticle 35(2) with regard to novelty, inventive step or industrial applicability; pporting such statement	
I.	Statement				
	Novelty	(N)	Claims	1-16	YES
			Claims		NO
	Inventive	e step (IS)	Claims	1-16	YES
			Claims		NO
	Industria	al applicability (IA)	Claims	1-16	YES
			Claims		NO

- 2. Citations and explanations (Rule 70.7)
 - Document 1: ACS Symposium Series (2002), 830 (Biological Systems Engineering), pages 210 to 219
 - Document 2: Organohalogen Compounds (1995), 23 (Dioxin 95, 15th International Symposium on Chlorinated Dioxins and Related Compounds, 1995) pages 221 to 223

Document 3: Gene (1994), Vol. 149 No. 2, 385 to 386

The inventions set forth in claims 1 to 16 are not indicated or suggested in documents 1 to 3, which are cited in the international search report; therefore, the inventions in question are novel and involve an inventive step.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/IB2004/003204

Supplemental Box Relating to Sequence Listing
Continuation of Box No. I, item 2:
 With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention this report was established on the basis of:
a. type of material a sequence listing
table(s) related to the sequence listing
b. format of material
in computer readable form
c. time of filing/furnishing
contained in the international application as filed
filed together with the international application in computer readable form
furnished subsequently to this Authority for the purposes of search and/or examination
received by this Authority as an amendment* on
2. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:
* If item 4 in Box No. I applies, the listing and/or table(s) related thereto, which form part of the basis of the report, may be marked "superseded."